



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
SUPERFUND SITE STRATEGY RECOMMENDATION - REGION 06



NM0000607309

Site Name: Barbara J#2 Mine - NM0055

CERCLIS ID#: NMD981600489

Alias Site Name: Whitecap, Dalco No. 1, Barbara Jean No. 2

Address: Latitude 35 degrees 19'42.00" Longitude 107 degrees 50'02.05"



648524

City/County or Parish/State/Zip: McKinley County, New Mexico

Report Type: Pre-CERCLIS Screening

Date: 09/10/09

Author: NMED

RECOMMENDATION:

<input type="checkbox"/> 1. No Further Remedial Action Planned Under Superfund (NFRAP)	<input type="checkbox"/> 2. Further Investigation Needed Under Superfund												
	<table><tr><td><input type="checkbox"/> PA</td><td><input type="checkbox"/> HRS</td><td>Priority: <input type="checkbox"/> High</td></tr><tr><td><input type="checkbox"/> SI</td><td><input type="checkbox"/> RI/FS</td><td><input type="checkbox"/> Low</td></tr><tr><td><input type="checkbox"/> ESI</td><td><input type="checkbox"/> RA</td><td></td></tr><tr><td><input type="checkbox"/> Other:</td><td colspan="2"></td></tr></table>	<input type="checkbox"/> PA	<input type="checkbox"/> HRS	Priority: <input type="checkbox"/> High	<input type="checkbox"/> SI	<input type="checkbox"/> RI/FS	<input type="checkbox"/> Low	<input type="checkbox"/> ESI	<input type="checkbox"/> RA		<input type="checkbox"/> Other:		
<input type="checkbox"/> PA	<input type="checkbox"/> HRS	Priority: <input type="checkbox"/> High											
<input type="checkbox"/> SI	<input type="checkbox"/> RI/FS	<input type="checkbox"/> Low											
<input type="checkbox"/> ESI	<input type="checkbox"/> RA												
<input type="checkbox"/> Other:													
<input checked="" type="checkbox"/> 3. Action Deferred to: <input type="checkbox"/> RCRA <input type="checkbox"/> NRC <input checked="" type="checkbox"/> BLM													
<input type="checkbox"/> 4. Site Being Addressed Under the State Voluntary Cleanup Program (VCP): <input type="checkbox"/> Yes <input type="checkbox"/> No													

NOTIFY AUTHORITY:

<input type="checkbox"/> Removal	<input type="checkbox"/> RCRA	<input type="checkbox"/> TSCA	<input type="checkbox"/> CAA	<input type="checkbox"/> SMCRA
<input type="checkbox"/> Remedial	<input type="checkbox"/> State/Tribe	<input type="checkbox"/> NPDES	<input type="checkbox"/> NRC	<input checked="" type="checkbox"/> Resource Trustee: <u>BLM</u>
<input type="checkbox"/> CERCLA	<input type="checkbox"/> Federal	<input type="checkbox"/> UIC	<input type="checkbox"/> SPCC	<input type="checkbox"/> Other: _____
Enforcement	Facility			

SEND SSSR COPIES TO: ☐ 6SF-AC ☐ 6WQ-SP ☐ ATSDR ☒ State Agency ☐ Tribal Agency

DISCUSSION:

The New Mexico Energy Minerals and Natural Resources Department, Mine and Minerals Division (MMD) conducted a site assessment on August 22, 2007 at the Barbara J#2 Mine site. The New Mexico Environment Department (NMED) conducted a site assessment on July 1, 2009. The mine operated as a wet mine. MMD and NMED observed waste piles with the highest 348 counts per second gamma radiation reading and concrete pads remaining from mining activities. The waste piles are marked by erosional rills, indicating waste has been dispersed downstream. There are several residences within three miles of the mine site, and the closest well is an irrigation well approximately one mile with a total uranium concentration of 48.2 ug/l. The land surface and mineral rights are held by the Bureau of Land Management.

NMED recommended that action be taken at the site to remove waste piles with elevated radioactivity. NMED also recommended that the mine site be further assessed under CERCLA to characterize the extent of site-derived waste dispersion along the drainages and impacts to groundwater.

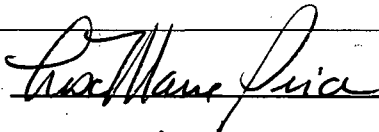
In October 2011, EPA conducted an aerial radiological survey in the Poison Canyon area of the Ambrosia Lake sub-district by using the Airborne Spectral Photometric Environmental Collection Technology (ASPECT). The Barbara J#2 Mine was included in the ASPECT survey. The gamma radiation readings at the Barbara J#2 Mine site were two to three times statistically greater than background readings in the area.

Pursuant to the Memorandum of Understanding between EPA and the New Mexico State Office of the Bureau of Land

Management, August 2011, the Barbara J#2 Mine will be addressed by the Bureau of Land Management.

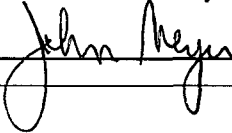
APPROVALS:

Report Reviewed by: Lisa Marie Price
(Site Assessment Manager)

Signature: 

Date: 11/25/11

Disposition
Approved by: John Meyer
(Section Chief 6SF-TR)

Signature: 

Date: 11/29/11